

CLAIMS

1.- An easy-open lid, specifically applicable in lids
(1) which, with a circular, elliptical or rectangular
configuration with rounded vertices, incorporate a cut line
5 (3), parallel and close to their perimeter for opening the lid
with the collaboration of a punch-tear away ring tab (4)
attached to the body (1) of the lid by means of a rivet (5)
and provided with a punching vertex (6) acting on said cut
line (3), characterized in that said cut line (3) is provided
10 with a breakage segment (8) with a curved path, having a
curvature center (9) coinciding with the rivet (5) for
attaching the ring tab (4) to the body (1) of the lid, such
that said punch vertex (6) is kept in place on the breakage
segment (8) after an accidental rotation of said ring tab (4)
15 throughout the process of handling the lid (1) itself and the
container which it is associated to.

2.- An easy-open lid according to claim 1, characterized
in that the amplitude of the arcuate breakage segment (8) of
the cut line (3) is greater than 1°.

20 3.- An easy-open lid according to claim 1, characterized
in that the amplitude of the arcuate breakage segment (8) of
the cut line (3) ranges between 1° and 80°.

4.- An easy-open lid according to previous claims,
characterized in that the amplitude of the arcuate breakage
25 segment (8) of the cut line (3) is 20°.

5.- An easy-open lid according to previous claims,
characterized in that the breakage segment (8) on the cut line
(3) is symmetrical with regard to the imaginary axis formed by
the theoretical actuation point (10) of the punch vertex (6)
30 of the ring tab (4), coinciding with the mid-point of the
breakage segment (8), and the rivet (5) for attaching the ring
tab (4).

6.- An easy-open lid according to claim 5, characterized
in that amplitude the arcuate breakage segment (8) of the cut
35 line (3) is 10° on each side of the theoretical actuation

point (10) of the punch vertex (6) of the ring tab (4).

5 7.- An easy-open lid according to previous claims, characterized in that the arcuate breakage segment (10) of the cut line (3), with a curvature center (9) on the rivet (5), is joined the rest of the cut line (3) by means of double, arcuate and counteropposing inflections (11-11') for facilitating the tearing along said line.